

PCT #6

PATENT
0020-4951P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Takuo HIBI et al. Conf.: 1322
Appl. No.: 10/048,021 Group: UNASSIGNED
Filed: January 28, 2002 Examiner: UNASSIGNED
For: SUPPORTED RUTHENIUM OXIDE CATALYST,
PROCESS FOR PREPARING SUPPORTED
RUTHENIUM CATALYST AND PROCESS FOR
PRODUCING CHLORINE

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION AFTER FILING OF AN APPLICATION
BUT BEFORE FINAL REJECTION OR NOTICE OF ALLOWANCE
OR CONCURRENTLY WITH A RULE 53(d) CPA APPLICATION
OR WITH A RULE 1.114 RCE APPLICATION)

Assistant Commissioner for Patents
Washington, DC 20231

April 23, 2002

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449(s), attached hereto.

II. COPIES (check at least one box)

- a. ☒ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. ☐ Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

US 5,871,707 corresponds to EP 0 743 277A.

b. ☒ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

DE 197 48 299A has English equivalent (U.S. Appl. No. 08/961,239) attached; JP43-805B and DE 1 567 788 corresponds to GB 1,046,313; documents FR 2 765 120A; EP 0 761 593A; EP 0 761 594B and JP8-225304A have English language abstracts attached herewith.

c. ☐ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

IV. ☒ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b):
(check one box)

- a. ☒ within three months of the filing date of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is required. (This section is not to be used with RCE's and CPA's).
- b. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or statement is required.
- c. ☐ concurrently with the filing of a Continued Prosecution Application under 37 C.F.R. § 1.53(d) or concurrently with the filing of a Request for Continued Examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.
- d. ☐ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required.
In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) below, or, if no statement has been made, charge our deposit account in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

V. ☐ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):
(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)).

- a. ☐ No statement; therefore, a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
- b. ☐ See the statement below. No fee is required.

VI. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a. ☐ each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.
- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

VII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p) is enclosed for the above-identified fee.
- ☐ Please charge Deposit Account No. 02-2448 in the amount required by 37 C.F.R. § 1.17(p) for the above-indicated fee. A triplicate copy of this paper is attached.
- ☒ No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

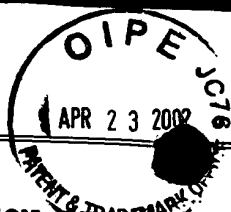
BIRCH, STEWART, KOLASCH & BIRCH, LLP

By *Ray C. Stewart* #36,623
K Raymond C. Stewart, #21,066

W
RCS/KJR/jms
0020-4951P

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

Enclosures: ☒ PTO-1449
☒ Documents
☐ Foreign Search Report
☐ Fee
☐ Other:



Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

ATTY DOCKET NO.
0020-4951PAPPLICATION NO.
10/048,021APPLICANT
Takuo HIBI et al.FILING DATE
January 28, 2002GROUP
UNASSIGNED**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	5,871,707	1999-02-16	HIBI et al.			
	5,908,607	1999-06-01	ABEKAWA et al.			
	5,935,898	1999-08-10	TRUBENBACH et al.			
	4,847,231	1989-07-11	GRATZEL et al.			
	5,663,112	1997-09-02	AHN et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
					YES	NO
2 765 120 A1 ✓	1998-12-31	FRANCE			Abs	
0 743 277 A1	1996-11-20	EP			X	
DE 197 48 299 A1 .	1998-05-07	GERMANY			X	
0 936 184 A2	1999-08-18	EP			X	
1,046,313	1966-10-19	GREAT BRITAIN			X	
JP43-805 B	1964-04-23	JAPAN			X	
DE 1 567 788	1965-04-21	GERMANY			X	
0 761 593 A	1997-03-12	EP			Abs	
0 761 594 B	1997-03-12	EP			Abs	
0 184 413 A2	1986-06-11	EP			X	
JP8-225304 A	1996-09-03	JAPAN			Abs	

OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

P. RUTERANA et al., Mat. Res. Soc. Symp. Proc., Vol. 139, (1989), pp. 327-332.

N.M. GUPTA et al., Journal of Catalysis, Vol. 146, (1994), pp. 173-184.

Michael R. PRAIRIE et al., Journal of Catalysis, Vol. 129, (1991), pp. 130-144.

Report presented at 5th Flon-Related Study Meeting held on June 23, 1995 under the sponsorship by the Catalysis Society of Japan (CATSJ) w/ English translation, pp.1-6.From the collection of prepared lecture texts for Catalytic Study Presentation Meeting in 1996, 78th CATSJ Meeting (A), published September 13, 1996.

F.W. LYTLE et al., Journal of Chem. Phys., Vol. 67, No. 8, (October 15, 1977), pp. 3831-3832.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.